

Specifications for Plastic Optical Fiber

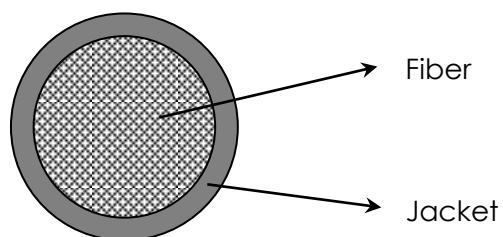
Multicore POF™ MCI-1000-1.25

Issued on : April 8, 2020

Issued by : Asahi Kasei Corporation
Plastic Optical Fiber
Marketing & Development Gr

1, STRUCTURE

| ITEM | UNIT | Specifications |
|--------------------------|------|---------------------|
| Core Material | | PMMA |
| Clad Material | | Fluorinated Polymer |
| Core reflective index | | 1.49 |
| Reflective index Profile | | Step index |
| Fiber Diameter | μm | 1000 ± 60 |
| Core Number | | 7400 |
| NA | | 0.5 |
| Jacket Material | | PE |
| Jacket Diameter | μm | 1250 ± 50 |
| Jacket Color | | Black |
| Approx. weight | g/m | 1.3 |



2, PROPERTIES

| ITEM | UNIT | Specifications | |
|---------------------------------|------|----------------|----|
| Storage Temperature Range | °C | -55 ~ 60 | |
| Application Temperature Range | °C | -55 ~ 60 | |
| Tensile Strength at Break Point | N | ≥ 70 | *1 |

Sample conditions

Temperature: T = 23°C
Humidity: RH = 50%
Storage time: t = 200h

*1 : Interval between grippers = 100 mm, Tensile Speed = 100mm/min

3, RoHS certification

The product does not contain RoHS 2 hazardous substances, Cadmium, Lead, Mercury, Chromium (VI), PBB, PBDE, DIBP, DEHP, DBP and BBP intentionally.